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Application No. 10/674,214
Amendment dated June 26, 2007
Reply to Office Action of April 6, 2007

Docket No.: 013436.0277PTUS
(Bennett 1-2)

AMENDMENTS TO THE CLAIMS

1. (Currently amended) A Direct Internet Access system for providing a subscriber with virtual dial-up access to a remotely located corporate network gateway from a mobile subscriber station, comprising:

wireless call connection means for establishing a local wireless call connection between a serving mobile switching center and a mobile subscriber station;

network server Interworking Function means, located in said serving mobile switching center, for directly establishing a data session with said remotely located corporate network gateway a destination network interface; and

network server means connected to said Interworking Function means of said serving mobile switching center, for establishing a data tunnel directly to with said destination network interface said remotely located corporate network gateway.

2. (Original) The Direct Internet Access system of claim 1 wherein said network server means comprises:

means for assigning a subscriber session to a Virtual Routing and Forwarding (VRF) instance; and

means for routing said subscriber session within the Virtual Routing and Forwarding instance to the destination network interface.

3. (Currently amended) The Direct Internet Access system of claim 1 wherein said network server means remotely located corporate network gateway comprises:

means for authenticating said mobile subscriber station.

4. (Currently amended) The Direct Internet Access system of claim 1 wherein said Interworking Function means for establishing a tunnel comprises:

L2TP Access Concentrator means for allocating a Call ID and notifying said network server means about the new connection.

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5. (Currently amended) A method for providing a subscriber with virtual dial-up access to a remotely located corporate network gateway from a mobile subscriber station, comprising:
establishing a local wireless call connection between a serving mobile switching center and a mobile subscriber station;
establishing, in an Interworking Function of said serving mobile switching center, a data session with said remotely located corporate network gateway ~~a destination network interface~~; and
establishing a data tunnel directly to with said destination network interface said remotely located corporate network gateway.

6. (Original) The Direct Internet Access method of claim 5 wherein said step of establishing a data session comprises:
assigning a subscriber session to a Virtual Routing and Forwarding (VRF) instance; and
routing said subscriber session within the Virtual Routing and Forwarding instance to the destination network interface.

7. (Currently amended) The Direct Internet Access method of claim 5 ~~wherein said step of establishing a data session comprises~~ further comprising:
authenticating said mobile subscriber station at said remotely located corporate network gateway.

8. (Currently amended) The Direct Internet Access method of claim 5 wherein said step of establishing a data session tunnel comprises:
allocating in a L2TP Access Concentrator a Call ID and notifying said network server means about the new connection.